

CONTENTS OF VOLUME 16

Number 1

The Molecular Weight Distribution and Conformation of Citrus Pectins in Solution Studied by Hydrodynamics STEPHENE. HARDING, GISELA BERTH, ABIGAIL BALL, JOHN R. MITCHELL & JOSE GARCIA DE LA TORRE (UK/GDR/Spain)													
The Preparation and Characterization of Antibodies with Specificity for the Carbohydrate Units of Gum Arabic and Gum Mesquite												1'	
Recent Developments in Our Understanding of Glycogen Structure DAVID J. MANNERS (UK)													3
Solubilization of a Rigid Polysaccharide: Controlled Partial N-Acetylation of Chitosan to Develop Solubility													83
Summaries of U	K Pate	nt Ap	plicat	ions									93
Bibliography													95
Book Reviews			٠	٠	-,					٠			109
Solution Proper Size of High Gal				accha		II. Co				/olec	ular		113
DOMINIQ	UEH	OUR	DET	& GU	ΥМ	ULLE	R (Fr	ance)		Extr	acted		
Studies on Apple Protopectin V: Structural Studies on Enzymatically Extracted Pectins C. M. G. C. RENARD, A. G. J. VORAGEN, JF. THIBAULT & W. PILNIK (The Netherlands/France)											•	137	
Structure and Properties of an Extracellular Polysaccharide from Laetisaria arvalis. Evaluation of its Antitumour Activity											155		
Purification and Aspergillus niger Arabinases from Arabinogalactan J. W. VAN F. J. M. KO	and A Asper	sperg rgillus S, M.	illus ad niger J. F. S	in En	us: U zyma LE-V	se in Contic Con	omb versi	ination of WEN,	n with Potato H. SII	LIHA	.,		167
Dielectric and V K. Y. KIM,	iscoela	stic P	ropen	iesof	Cell	ulose I I (Ja pa	Periva				ō.		189
Carbohydrate Po			(1991)	-©	1991	Elsev	rier Se	cience	Publi	shers	Ltd, I	Engl	and.

The Existence of a Diffuse Electric Double Layer at Cellulose Fibrils' Surfaces and its Role in the Swelling Mechanism of Parenchyma Plant Cell Walls ILAN SHOMER, HAIM FRENKEL & CORINA POLINGER (Israel)	. 199
Pyridinium Substitution during the Sulfation of Polysaccharides in the Presence of Pyridine	. 211
News and Views	. 215
Bibliography	. 217
Book Reviews	. 233
Number 3	
Synergistic Interaction between Xanthan and Tara-Bean Gum	. 239
A Rheological Characterization of Kappa-Carrageenan/Galactomannan Mixed Gels: A Comparison of Locust Bean Gum Samples	. 253
Structural Characteristics of the Warm-water-soluble Arabinoxylans from the Tailings of the Soft Wheat Variety Kadet	. 275
Distribution of Acetamide Group in Partially Deacetylated Chitins HITOSHI SASHIWA, HIROYUKI SAIMOTO, YOSHIHIRO SHIGEMASA, RYU OGAWA & SEIICHI TOKURA (Japan)	. 291
Effects of Potassium, Sodium and Calcium on the Microstructure and Rheological Behaviour of Kappa-Carrageenan Gels	. 297
Research Note Characterisation of Cyclosophorans Produced by an Acidic Polysaccharidenegative Mutant of <i>Rhizobium leguminosaram</i>	. 321
Bibliography	. 327
Book Reviews	. 337
Number 4	
Structure of the Linear, Low Molecular Weight Dextran Synthesized by a D-Glucosyltransferase (GTF-S3) of Streptococcus sobrinus	. 341
Studies of the Effect of the Sugars Ribose, Xylose and Fructose on the Retrogradation of Wheat Starch Gels by X-ray Diffraction	. 355

A	10
4	ny

Contents of Volume 16

Covalent Coupling of a Short Polyether on Sodium Alginate: Synthesis and Characterization of the Resulting Amphiphilic Derivative													36
Purification of a Sugarbeet Pectin Modifying Enzyme System from Aspergillus niger by Antibody Affinity Column Chromatography JENNIFER A. MATTHEW, GARY M. WYATT, DAVID B. ARCHER & MICHAEL R. A. MORGAN (UK)													38
Extraction of Star S. N. MOOF				r Cro	ps Usi	ing A	mmon	ia .					391
A Novel Multiple Methylcellulose I Alginate at Elevat ROLAND E	Delive ted Te	ry Sys	stem I	Prepa	red by	Ionc	tropic	Gela	tion o	f Sodi			399
Solution Propertie Heterogeneous Pe Analysis . DOMINIQU	ectin (Chain	s. Cal	ibrati	on an	d App	plicati	on of	SEC t		tin		409
Research Note Some Cultural Co K. M. GHAN	nditio	ons fo	r Max	kimur	n Bio	extrac	tion o	f Beet	Pulp				433
News and Views							.•						441
Bibliography													443
Book Reviews													459
Conference Anno	uncer	nent											465

